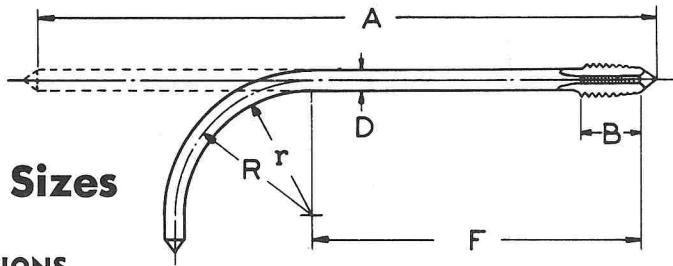


# Table 35 — BENT SHANK TAPPER TAPS



## Machine Screw Sizes

### GENERAL DIMENSIONS

Size	Basic Major Diam. Inches	Size of Mach. Inches	THREADS PER INCH			No. of Flutes	DIMENSIONS — INCHES					
			N. C.	N. F.	N. S.		A	B	D	F	R	r
4	.112	1/8	..	..	36	3	3 1/2	1 1/32	.076	1 25/32	7/8	.837
4	.112	1/8	40	..	..	3	3 1/2	5/16	.080	1 25/32	7/8	.836
4	.112	1/8	..	48	..	3	3 1/2	1/4	.085	1 25/32	7/8	.832
5	.125	1/8	40	..	..	3	3 1/2	5/16	.093	1 25/32	7/8	.829
5	.125	1/8	..	44	..	3	3 1/2	3/32	.095	1 25/32	7/8	.827
6	.138	1/8	32	..	..	3	3 1/2	3/8	.095	1 25/32	7/8	.827
6	.138	1/8	..	40	..	3	3 1/2	5/16	.104	1 1/4	7/8	.823
6	.138	3/16	32	..	..	3	4 7/8	3/8	.095	2 15/32	1 3/16	1.140
6	.138	3/16	..	40	..	3	4 7/8	5/16	.104	2 15/32	1 3/16	1.136
8	.164	3/16	32	..	..	3	4 7/8	3/8	.121	2 3/16	1 3/16	1.127
8	.164	3/16	..	36	..	3	4 27/32	1 1/32	.126	2 13/32	1 3/16	1.125
10	.190	3/16	24	..	..	3	4 27/32	1/2	.134	2 13/32	1 3/16	1.121
10	.190	3/16	..	32	..	3	4 27/32	3/8	.147	2 13/32	1 3/16	1.114
12	.216	3/16	24	..	..	3	4 27/32	1/2	.157	2 3/8	1 3/16	1.109
12	.216	3/16	..	28	..	3	4 13/16	3/16	.165	2 3/8	1 3/16	1.105
6	.138	1/4	32	..	..	3	6 1/16	3/8	.095	3 25/32	1 1/4	1.202
6	.138	1/4	..	40	..	3	6 1/16	5/16	.104	3 3/4	1 1/4	1.198
8	.164	1/4	32	..	..	3	6 1/16	3/8	.121	3 3/4	1 1/4	1.190
8	.164	1/4	..	36	..	3	6 13/32	1 1/32	.126	3 23/32	1 1/4	1.187
10	.190	1/4	24	..	..	3	6 13/32	1/2	.134	3 23/32	1 1/4	1.183
10	.190	1/4	..	32	..	3	6 13/32	3/8	.147	3 23/32	1 1/4	1.176
12	.216	1/4	24	..	..	3	6 13/32	1/2	.157	3 11/16	1 1/4	1.171
12	.216	1/4	..	28	..	3	6 3/8	3/16	.165	3 11/16	1 1/4	1.167
14	.242	1/4	..	..	20	3	6 3/8	19/32	.172	3 11/16	1 1/4	1.164
14	.242	1/4	..	..	24	3	6 3/8	1/2	.183	3 23/32	1 1/4	1.158

### TOLERANCES

Element	Size	Direction	Tolerance
Length Overall — A	4 to 14 incl.	Plus	1/16"
Length of Thread — B	4 to 14 incl.	Plus or Minus	3/64"
Diameter of Shank — D	4 to 14 incl.	Minus	.005"

### FORMULAE

(Approximate)

Diameter of Shank	{ No. 5 and smaller No. 6 to No. 10 incl. No. 12 and larger	= National Basic Minor Diameter.
		= National Basic Minor Diameter minus .002"
		= National Basic Minor Diameter minus .005"

All to nearest .001"

### NOTES

All taps have external center on thread end.  
 For standard thread limits and tolerances see Page 27.

**NOTE:** Solid or sectional type taps can be supplied for all type machines.